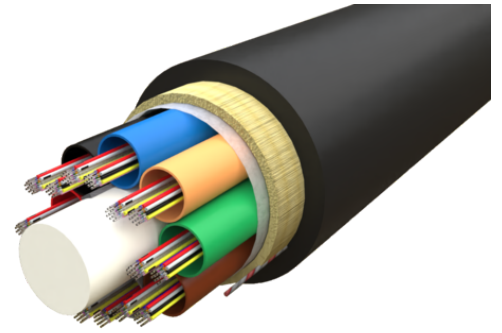


<b>Product name</b>	192F G657A1 200µm Microcable MLT Black PA OD 6.7mm 4km/d
<b>Product code</b>	4985677
<b>Product type</b>	GRHLDV 192XG657A1
<b>GTIN</b>	7332811229701
<b>ETIM-Class</b>	EC000034



## PRODUCT SPECIFICATIONS

192F G657A1 200µm slim micro cable typically used in outdoor microduct installation applications. The cable is suitable for air-blown installation. Cable parameters such as cable diameter, stiffness and sheath friction are optimized for best installation performance. The cable is based on a slim multi loose tube construction with SZ design around a central strength member of fiberglass-reinforced plastic (FRP) which facilitates mid-span access.

## Measurements

<b>Length</b>	1 000 mm
<b>Height</b>	6,7 mm
<b>Width</b>	6,7 mm
<b>Weight</b>	48 g

## Physical Characteristics

<b>Fibre Count</b>	192
<b>Cable Construction</b>	Multi Loose Tube (MLT)
<b>Fibre Type</b>	ITU-T G.657 A1 200um
<b>Fibres per Tube</b>	24
<b>Fibre Colour Sequence</b>	EIA/TIA-598A
<b>Tube Size</b>	1,65 mm
<b>Central Strength Member</b>	FRP
<b>No of Tubes</b>	8

<b>Tube Colour Sequence</b>	EIA/TIA-598A
<b>Outer Sheath Material</b>	PA (Polyamid)
<b>Colour of Cable Sheath</b>	Black
<b>Nominal Sheath Thickness</b>	0,4 mm
<b>No of Ripcords Below Outer Sheath</b>	1
<b>Cable Diameter</b>	6,7 mm
<b>Cable Diameter Tolerance</b>	+/- 0.3mm
<b>Nominal Cable Weight</b>	48 kg/km

## Mechanical & Environmental Characteristics

<b>Halogen Free</b>	Yes
<b>UV Proof</b>	Yes
<b>Metal free</b>	Yes
<b>Tensile Strength (N) IEC-60794-1-21-E1</b>	1 000 N
<b>Crush Resistance - IEC- 60794-1-21-E3</b>	500 N/10cm
<b>Impact Strength (Nm) IEC-60794-1-21-E4</b>	50
<b>Torsion IEC-60794-1-21-E7</b>	± 180°
<b>Min. Bend Radius (During Installation) IEC-60794-1-21-E11</b>	20 x d
<b>Min. Bend Radius (After Installation) IEC-60794-1-21-E11</b>	10 x d
<b>Water Penetration Test IEC-60794-1-22-F5</b>	1m head, 3m samples, 24 hrs.
<b>Drip Test IEC-60794-1-21-E14</b>	30 cm, 70°C, 24 hr
<b>Temperature Performance Installation IEC-60794-1-22-F1</b>	-15°C to +70°C (max. change in attenuation shall be ≤ 0.15 dB/km)
<b>Temperature Performance Operation IEC-60794-1-22-F1</b>	-40°C to +70°C (Max. change in attenuation shall be ≤ 0.15 dB/km)
<b>Temperature Performance Storage IEC-60794-1-22-F1</b>	-40°C to +70°C (Max. change in attenuation shall be ≤ 0.15 dB/km)